



PTO/SB/80 (11-08)  
Approved for use through 11/30/2011. OMB 0651-0035  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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## POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

☐ Practitioners associated with the Customer Number:

OR

☒ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number
William H. Bollman	36,457		
Edward J. Sternberger	36,017		
Jeffrey S. Melcher	35,950		
Leon R. Turkevich	34,035		
Paul E. White	32,011		

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:



The address associated with Customer Number:

83086

OR

<input type="checkbox"/> Firm or Individual Name			
Address			
City	State	Zip	
Country			
Telephone			Email

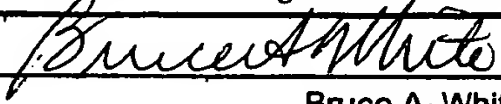
Assignee Name and Address:

TeleCommunication Systems, Inc.  
275 West Street, Suite 400  
Annapolis, MD 21401

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

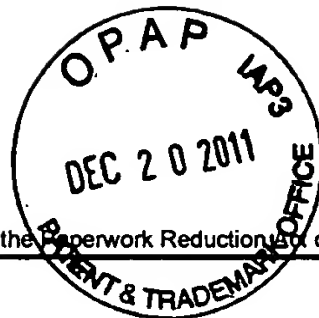
### SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	October 7, 2011
Name	Bruce A. White	Telephone	410-280-1224
Title	Secretary		

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



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PTO/SB/96 (07-09)

Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: TeleCommunication Systems, Inc.

Application No./Patent No.: 09/694,297

Filed/Issue Date: October 24, 2000

Titled: Messaging Method and Apparatus for Sending and Receiving Messages in a Client Server Environment Over Multiple Wireless and Wireline Networks

TeleCommunication Systems, Inc., a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest in;
2. ☐ an assignee of less than the entire right, title, and interest in  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_ %); or
3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)

the patent application/patent identified above, by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy therefore is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: Inventors To: Aether Systems, Inc.

The document was recorded in the United States Patent and Trademark Office at  
Reel 011679, Frame 0737, or for which a copy thereof is attached.

2. From: Aether Systems, Inc. To: TSYS Acquisition Corp.

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: TSYS Acquisition Corp. To: TeleCommunication Systems Corporation of M

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☒ Additional documents in the chain of title are listed on a supplemental sheet(s).

☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

William H. Bollman  
Signature

December 20, 2011

Date

William H. Bollman

Printed or Typed Name

Attorney of Record

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**Supplemental Sheet Listing Additional Documents on the Chain of Title**

Application No. 09/694,297



A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

**4. From: TeleCommunication Systems Corporation of Maryland**

**To: TeleCommunication Systems, Inc.**

The document was recorded in the United States Patent and Trademark Office at

Document evidencing assignment is attached hereto.

## ASSIGNMENT AND AGREEMENT

THIS PATENT ASSIGNMENT (this "Assignment") is by and between **TeleCommunication Systems Corporation of Maryland**, a corporation in the State of Maryland, having an office at 275 West Street, Suite 400, Annapolis, Maryland, 21401, U.S.A., (**ASSIGNOR**) and **TeleCommunication Systems, Inc.**, a corporation of the State of Maryland, having an office at 275 West Street, Suite 400, Annapolis, Maryland, 21401, U.S.A (**ASSIGNEE**).

### RECITALS

- A. WHEREAS, **ASSIGNOR** presently owns or controls certain patents and patent applications listed in the attached Appendices A and B (hereinafter "TRANSFERRED PATENTS AND APPLICATIONS"), respectively and;
- B. WHEREAS, **ASSIGNOR** desires to transfer, assign, convey, deliver, and vest all of its interests and rights in TRANSFERRED PATENTS AND APPLICATIONS for all countries, jurisdictions and political entities of the world, to and in **TeleCommunication Systems, Inc.**

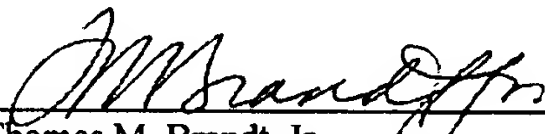
NOW, THEREFORE, in consideration of good and valid consideration, the receipt and sufficiency of which are hereby acknowledged, the parties, intending to be legally bound, agree as follows:

**ASSIGNOR**, subject to existing rights and licenses of third parties, does hereby assign, convey and transfer and deliver, and agrees to assign, convey, transfer and deliver to **TeleCommunication Systems, Inc.**, its successors, assigns and legal representatives or nominees, **ASSIGNOR'S** entire right title and interest, for all countries, jurisdictions and political entities of the world, along with the right to sue for past infringement to all TRANSFERRED PATENTS AND APPLICATIONS, and corresponding counterpart foreign applications and patent applications, with respect to which, and to the extent to which, **ASSIGNOR** now has or hereafter the right to so assign, convey, transfer and deliver. **TeleCommunication Systems, Inc.** recognizes that **ASSIGNOR** hold only bare legal title to the TRANSFERRED PATENTS AND APPLICATIONS.

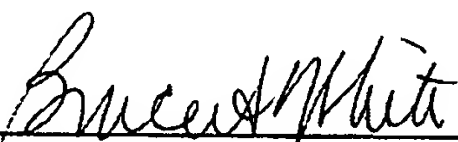
**ASSIGNOR** agrees that, upon request it will, at any time without charge to **TeleCommunication Systems Corporation of Maryland**, but at **TeleCommunication Systems, Inc.'s** expense, furnish all necessary documentation relating to or supporting chain of title, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for vesting title to TRANSFERRED PATENTS AND APPLICATIONS in **TeleCommunication Systems, Inc.**, its successors, assigns and legal representatives or nominees; including but not limited to any acts which may be necessary, desirable or convenient for claiming said rights and for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in **TeleCommunication Systems, Inc.** and respective successors, assigns and legal representatives or nominees.

IN WITNESS WHEREOF, the parties have caused this PATENT ASSIGNMENT to be executed by their duly authorized representatives as of the Effective Date.

TeleCommunication Systems Corporation of Maryland

By:   
Thomas M. Brandt, Jr.  
Title: Chief Financial Officer  
Date: October 4, 2006

TeleCommunication Systems, Inc.

By:   
Bruce A. White  
Title: Vice President  
Date: October 4, 2006

## APPENDIX A - Patents

Patent Number	Title	Inventors	Issue Date
6,304,746	Method and System for Providing Formatted Information Via a Two Way Communications System	Anthony C. Fascenda Peter Kibler	October 16, 2001
6,341,270	Method for Providing Vendor Notification Marketing in an Electronic Commerce Network Environment	Augustine N. Esposito Gregg Garrett	January 22, 2002
6,535,885	Multikeyed Table Implementable on a Digital Personal Assistant	Joseph R. Nardone Larry D. Mason	March 18, 2003
6,546,374	Apparatus for Providing Instant Vendor Notification in an Electronic Commerce Network Environment	Augustine N. Esposito Gregg Garrett	April 8, 2003
6,560,604	System, Method, and Apparatus for Automatically and Dynamically Updating Options, Features, and/or Services Available to a Client Device	Anthony Fascenda	May 6, 2003
6,587,838	Method and System for Conducting Real Time Electronic Commerce	Augustine N. Esposito Gregg Garrett	July 1, 2003
6,704,768	System, method and Computer Program Product for Providing Serve Discovery Services During a Startup Sequence	Jame M. Zombek Richard K. Sobchak Rudy G. Bonefas	March 9, 2004
6,011,954	Transmitting Updated Information	Bo Kroll	January 14, 2000
6,466,937	System, Method and Apparatus for Utilizing Transaction Databases in a Client Server Environment	Anthony Fascenda Rajiv Synghal	October 15, 2002
6,845,084	Routing Protocol Selection for an Ad Hoc Network	Aniruddha Rangnekar Stephen Quirolgico	January 18, 2005
7,003,571	System and Method for Re-Directing Requests from Browsers for Communication Over Non-Ip Based Networks	James Zombek Donald Edwards	February 21, 2006
7,024,474	System and Method to Publish Information from Servers to remote Devices	Ken Clubb Lyle Sutton	April 4, 2006

## APPENDIX B – U.S. Patent Applications

U.S Patent Application	Title	Inventors	Filing Date
09/694,297	Messaging Method and Apparatus for Setting and Receiving Messages in a Client Server Environment Over Multiple Wireless and Wireline	James Zombek Richard Sobchak Rudy Bonefas	October 24, 2000
09/704,535	System and Method for Developing Applications in Wireless and Wireline Environments	James Zombek Richard Sobchak Rudy Bonefas	
09/770,770	WEB Page Content Translator	Yin Cheng Wilfredo Padin Rongli Jiang Andrew Fedorchek	November 6, 2000
09/709,487	Method and System for Deploying Content to Wireless Devices	Rudy Bonefas Michael Miller Dale Shelton L.Jay Wantz	November 13, 2000
09/736,167	Site Mining Stylesheet Generator	Douglas J. Jakubowski	December 15, 2000
09/494,553	Messaging Method and Apparatus for Routing Messages in a Client Server Environment Over Multiple Wireless and Wireline Networks	Rudy Boenfas Jim Zombek Rick Sobchak	January 31, 2000
09/740,040	Messaging Method and Apparatus Including a Protocol Stack that Corresponds Substantially to an Open System Interconnection Model and Incorporates a Simple Network Transport Layer	James M. Zombek Richard Sobchak Rudy Bonefas	December 20, 2000

## APPENDIX B – U.S. Patent Applications (Cont)

09/767,266	A System Method and Computer Program Product for Maintaining Program State Over Wireless Networks that Dynamically Won't Load Balance Messages Across Multiple Servers	James Zombek Richard Sobchak Lyle Sutton	January 23, 2001
09/932,982	System for Efficiently Handling Cryptographic Messages Containing Nonce Values in a Wireless Connectionless Environment without Compromising Security	Todd Lagimonier	August 30, 2001
09/941,582	Method and Apparatus for Storing Real-Time Text messages	Marina Libman	August 30, 2001
09/953,408	System for Automated, Mid-Session, User-Directed, Device-to Device Session Transfer System	Michael Miller	September 17, 2001
09/985,878	System for an Open Architecture Development Platform with Centralized Synchronization	Greg Visally Douglas Morrison Roy Bodayla	November 6, 2000
09/985,879	System for a Configurable Open Database Connectivity Conduit	Joseph Nardone Jeffrey Phelps Mark Wallace	November 6, 2000
09/985,880	System for a Run-Time Engine Capable for Pager Capable Remote Device	Andrew Hamilton Joseph Nardone	November 6, 2000
09/977,686	Run-Time Engine Implemented On a Computing Device Allowing Synchronization of Records During Application Execution	Joseph Nardone Larry D. Mason	October 16, 2000
10/026,887	System for Optimizing the Invocation of Computer Based Services Deployed in Distributed Computing Environment	Toff Lagimonier James Voris	December 27, 2001
10/265,740	Coordination of Data Received from One or More Sources Over One or More Channels Into a Single Context	Greg Gershman Michael J. Miller	October 8, 2002
09/723,285		Rudy Bonefas Richard Sobchak James Zombek	November 28, 2000



Department of  
Assessments and Taxation

Charter Division



Governor

C. John Sullivan, Jr.  
Director

Paul B. Anderson  
Administrator

PIPER RUDNICK, LLP  
6225 SMITH AVE  
BALTIMORE MD 21209-3626

Date: 09-15-2005

This letter is to confirm acceptance of the following filing:

ENTITY NAME : TELECOMMUNICATION SYSTEMS CORPORATION OF MARYLAND  
DEPARTMENT ID : D07695802  
TYPE OF REQUEST : ARTICLES OF AMENDMENT / NAME CHANGE  
DATE FILED : 09-15-2005  
TIME FILED : 01:56-PM  
RECORDING FEE : \$100.00  
EXPEDITED FEE : \$90.00  
COPY FEE : \$22.00  
FILING NUMBER : 1000361991891155  
CUSTOMER ID : 0001669552  
WORK ORDER NUMBER : 0001112590

PLEASE VERIFY THE INFORMATION CONTAINED IN THIS LETTER. NOTIFY THIS DEPARTMENT  
IN WRITING IF ANY INFORMATION IS INCORRECT. INCLUDE THE CUSTOMER ID AND THE WORK  
ORDER NUMBER ON ANY INQUIRIES.

Charter Division  
Baltimore metro area (410)767-1350  
Outside metro area (888)246-5941

301 West Preston Street-Room 801-Baltimore, Maryland 21201-2395  
Toll free in Maryland (888)246-5941  
MRS (Maryland Relay Service) (800)735-2258 TTY/Voice- Fax (410)333-7097  
Website: www.dat.state.md.us

0003604357

chase

ENTITY TYPE: ORDINARY BUSINESS - STOCK  
STOCK: Y  
CLOSE: N  
EFFECTIVE DATE: 09-15-2005  
PRINCIPAL OFFICE: SUITE 400  
275 WEST STREET  
ANNAPOLIS MD 21401  
RESIDENT AGENT: BRUCE WHITE  
SUITE 400  
275 WEST STREET  
ANNAPOLIS MD 21401  
COMMENTS:  
THIS AMENDMENT RECORD INDICATES THE NAME CHANGE  
FROM: TSYS ACQUISITION CORP.  
TO: TELECOMMUNICATION SYSTEMS CORPORATION OF MARYLAND.

**NOTICE: Effective January 1, 2004**

As a result of a change in State law, the annual report fee for most legal entities (including LLCs and LLPs) has increased to \$300. This fee is for the privilege of maintaining a legal entity's existence in Maryland, and is due and payable with the filing of the personal property return. The increase is effective for any return, regardless of year, filed after 12/31/2003.

There continues to be no annual report fee for non-stock corporations, churches, foreign interstate companies, sole proprietorships and general partnerships, but these entities must still file a personal property return annually.

**TSYS ACQUISITION CORP.**  
**ARTICLES OF AMENDMENT**  
**TO**  
**ARTICLES OF INCORPORATION**

Pursuant to the provisions of the Maryland Corporations Act, MD. CORPS. & ASS'NS CODE ANN., §2-101 *et seq.* (the "*Corporations Act*"), the undersigned corporation (the "*Corporation*") submits the following Articles of Amendment:

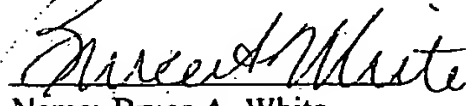
1. The name of the Corporation is: TSYs Acquisition Corp.
2. The Articles of Incorporation of the Corporation are hereby amended by deleting Article SECOND in its entirety and substituting in its place the following:

SECOND: The name of the corporation (which is hereinafter called the "*Corporation*") is:  
TeleCommunication Systems Corporation of Maryland.


3. The foregoing amendment has been approved by the unanimous consent of the Board of Directors of the Corporation.

IN WITNESS WHEREOF, the Corporation has caused these presents to be signed in its name and on its behalf by its President and attested by its Secretary on this 15<sup>th</sup> day of September, 2005.

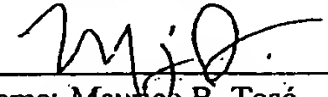
Attested:

  
Name: Bruce A. White  
Title: Secretary

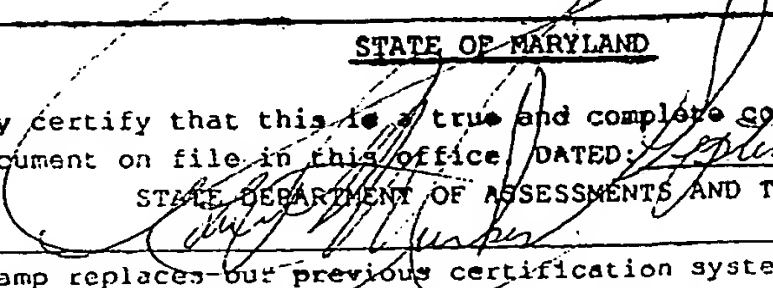
TSYS ACQUISITION CORP.

By:   
Name: Maurice B. Tosé  
Title: President

THE UNDERSIGNED, the President of TSYs Acquisition Corp. who executed on behalf of the Corporation the foregoing Articles of Amendment of which this certificate is made a part, hereby acknowledges in the name and on behalf of the Corporation the foregoing Articles of Amendment to be the corporate act of the Corporation and hereby certifies to the best of his knowledge, information and belief the matters and facts set forth therein with respect to the authorization and approval thereof are true in all material respects under the penalties of perjury.

  
Name: Maurice B. Tosé  
Title: President

-BALT2:4115966.v1 |11/22/04  
313301-1

<b>STATE OF MARYLAND</b>	
I hereby certify that this is a true and complete copy of the <u>2</u> page document on file in this office, DATED: <u>September 15, 2005</u> .	
STATE DEPARTMENT OF ASSESSMENTS AND TAXATION	
BY: 	Custodian
This stamp replaces our previous certification system. Effective: 6/95	

**CORPORATE CHARTER APPROVAL SHEET**  
**\*\*EXPEDITED SERVICE\*\*      \*\* KEEP WITH DOCUMENT \*\***

DOCUMENT CODE 09A BUSINESS CODE \_\_\_\_\_

# 007695802

Close \_\_\_\_\_ Stock \_\_\_\_\_ Nonstock \_\_\_\_\_

P.A. \_\_\_\_\_ Religious \_\_\_\_\_

Merging (Transferor) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Surviving (Transferee) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Affix Barcode Label Here

Affix Barcode Label Here

New Name Telecommunication

Systems Corporation of

Maryland

**FEES REMITTED**

Base Fee: 100

Org. & Cap. Fee: \_\_\_\_\_

Expedite Fee: 90

Penalty: \_\_\_\_\_

State Recordation Tax: \_\_\_\_\_

State Transfer Tax: \_\_\_\_\_

1 Certified Copies

Copy Fee: 22

1 Certificates

Certificate of Status Fee: 20

Personal Property Filings: \_\_\_\_\_

Mail Processing Fee: \_\_\_\_\_

Other: \_\_\_\_\_

TOTAL FEES: 232

Credit Card \_\_\_\_\_ Check 1 Cash \_\_\_\_\_

1 Documents on 3 Checks

Approved By: A.O.

Keyed By: \_\_\_\_\_

COMMENT(S):

☒ Change of Name  
☐ Change of Principal Office  
☐ Change of Resident Agent  
☐ Change of Resident Agent Address  
☐ Resignation of Resident Agent  
☐ Designation of Resident Agent  
and Resident Agent's Address  
☐ Change of Business Code

Adoption of Assumed Name

Other Change(s)

Code 418

Attention: Keysha McNeil

Mail: Name and Address

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Stamp Work Order and Customer Number HERE

## PATENT ASSIGNMENT

This Patent Assignment is delivered pursuant to the Closing under that certain Purchase Agreement, as amended, (the "*Agreement*") dated as of December 18, 2003, between Aether Systems, Inc., as the "*Seller*", and TSYS Acquisition Corp., as the "*Purchaser*". Capitalized terms used in this Patent Assignment have the same meanings given to them in the Agreement.

The Seller has delivered this instrument signed by the Seller to enable the Purchaser to file it with any appropriate governmental agency to indicate ownership of the Patents described below and for the other purposes set forth in this instrument. This instrument supplements and is in addition to all other rights of the Purchaser under the Agreement and other instruments of transfer delivered in connection with the Agreement.

For good and valuable consideration, receipt of which the Seller acknowledges, and by signing and delivering this instrument, the Seller sells, assigns, transfers, conveys, and delivers to the Purchaser all of the Seller's right, title, and interest in and to:

(a) the patents and patent applications specifically listed in Annex A to this Patent Assignment; and

(b) the following properties and rights with respect to all patents and patent applications so listed in Annex A:

(1) the inventions claimed or described in the patents or applications,

(2) any patents in the United States and anywhere else in the world and patent applications that have been or may be granted or filed, respectively, with respect to those inventions, including without limitation all foreign patents that may claim priority based on and correspond to the patents listed in Annex A,

(3) all divisions, renewals, reissues, continuations, extensions, and continuations-in-part of the foregoing patents,

(4) all income, royalties, damages, and payments due or payable to the Seller with respect to the patents, including without limitation unpaid damages and payments for past, present, and future infringements of any patent, and

(5) all rights to sue and recover damages and payments for past, present, and future infringements of any of the patents, including the right to fully and entirely replace the Seller in all related matters.

The foregoing rights in and under the patents shall apply to the full end of their terms as fully as the Seller would have held the same in the absence of this assignment. As of the date set forth below, the Purchaser has succeeded to all right, title, and standing of the Seller to (a) receive all rights and benefits pertaining to the patents described above, and (b) commence, prosecute, defend and settle all claims and take all actions that the Purchaser, in its sole discretion, may elect in relation to the patents and rights described above. This Patent Assignment (a) is irrevocable and effective upon the Seller's signature to and delivery of a manually signed copy of this instrument or facsimile or email transmission of the signature to this instrument in connection with the Closing, if and only if the Closing is completed, (b) benefits and binds the parties to the Agreement and their respective successors and assignees, (c) does not modify or affect,

and is subject to, the provisions of the Agreement, and (d) may be signed in counterparts as provided in Section 12.12 of the Agreement.

The undersigned has signed this Patent Assignment on January 13, 2004.

Aether Systems, Inc.:

By: [Signature]

Name: David S. Oros

Title: Chief Executive Officer

STATE OF MARYLAND

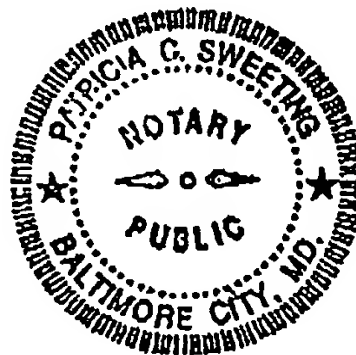
COUNTY OF Baltimore  
City

On \_\_\_\_\_ before me, Patricia C. Sweeting (the undersigned notary), personally appeared David S. Oros personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Patricia C. Sweeting  
Notary Public

[seal]



Annex A

TITLE	FILING DATE	SERIAL #	ISSUE DATE	PATENT #	OWNER/DIVISION
Method and System for Providing Formatted Information via a 2-Way Communication System			10/16/01	US6,304,740B1	Aether Systems, Inc./EMS
Method and System for Conducting Real-Time Electronic Commerce			07/1/03	US6,587,838	Aether Systems, Inc./EMS
Transmitting Updated Information			01/04/2000	6,011,954	Sila Technology Limited/EMS
IPX/Datagram (Danish patent - 'Fremgangsmaade til transmission af data fra en sender til en eller flere modtagere')			1/13/1997	PR171571	Sila Technology Limited/EMS
IPX/Datagram (Registered EP - designated country: Germany) ('A Method of Transmitting Data from a Transmitter to One or More Receivers')			5/3/2000	EP 0731964	Sila Technology Limited/EMS
IPX/Datagram (Registered EP - designated country: France) ('A Method of Transmitting Data from a Transmitter to One or More Receivers')			5/3/2000	EP 0731964	Sila Technology Limited/EMS
IPX/Datagram (Registered EP - designated country: United Kingdom) ('A Method of Transmitting Data from a Transmitter to One or More Receivers')			5/3/2000	EP 0731964	Sila Technology Limited/EMS
Method for Providing Vendor Notification Marketing in Electronic Communication Network	01/25/99	09/236,510			Aether Systems, Inc./EMS
Apparatus for Providing Vendor Notification	01/25/99	09/237,289			Aether Systems, Inc./EMS
Method and Apparatus for Storing Real-Time Text Messages	8/30/2001	09/941,582			Aether Systems, Inc./EMS
System for Automated, Mid-Session, User-Directed, Device-to-Device Session Transfer System	9/17/2001	09/953,408			Aether Systems, Inc./EMS

<sup>1</sup> EP = European Patent

TITLE	FILING DATE	SERIAL#	ISSUE DATE	PATENT#	OWNER/DIVISION
Multikayed Table Implementable on a Personal Digital Assistant	10/16/2000	09/688,160			Aether Systems, Inc./EMS
System, Method and Computer Program Product for Providing Server Discovery Services during a Startup Sequence	11/8/2000	09/707,960			Aether Systems, Inc./EMS
System and Method for Re-Directing Requests from Browsers for Communication over Non-IP Based Networks	10/30/2000	09/698,181			Aether Systems, Inc./EMS
System and Method for Developing Applications in Wireless and Wireline Environments	11/3/2000	09/704,535			Aether Systems, Inc./EMS
Site Mining Stylesheet Generator	12/15/2000	09/736,167			Aether Systems, Inc./EMS
Run-Time Engine Implemented on a Computing Device Allowing Synchronization of Records during Application Execution	10/16/2000	60/240,087			Aether Systems, Inc./EMS
Messaging Method and Apparatus for Sending and Receiving Messages in a Client Server Environment over Multiple Wireless and Wireline Networks	10/24/2000	09/694,297			Aether Systems, Inc./EMS
System and Method to Publish Information from Servers to Remote Monitor Devices	1/24/2001	09/767,951			Aether Systems, Inc./EMS
A System and Method for Servers to Send Alerts to Connectionless Devices	11/28/2000	09/723,285			Aether Systems, Inc./EMS
A System, Method and Computer Program Product for Maintaining Program State over Wireless Networks that Dynamically Workload Balance Messages Across Multiple Servers	1/23/2001	09/767,266			Aether Systems, Inc./EMS
A Method and System for Deploying Content to Wireless Devices	11/13/2000	09/709,487			Aether Systems, Inc./EMS
Messaging Method and Apparatus for Routing Messages in a Client Server Environment over Multiple Wireless and Wireline Networks	12/20/2000	09/739,844			Aether Systems, Inc./EMS
Messaging Method and Apparatus including a Protocol Stack that Corresponds Substantially to an Open System Interconnect (OSI) Model and Incorporates a Simple Network Transport Layer	12/20/2000	09/740,040			Aether Systems, Inc./EMS
Web Page Content Translator	11/8/2000	09/707,770			Aether Systems, Inc./EMS
System, Method and Apparatus for Automatically and Dynamically Updating Options, Features, and/or Services Available to a Client Device	3/10/2000	09/523,168			Aether Systems, Inc./EMS
Service Chaining: a Mechanism for Optimizing the Invocation of Computer Based Services Deployed in a Distributed Computing Environment	12/27/2001	10/026,887			Aether Systems, Inc./EMS
System for Efficiently Handling Cryptographic Messages Containing Nonce Values in a Wireless, Connectionless Environment without Compromising Security	8/21/2001	09/932,982			Aether Systems, Inc./EMS



TITLE	FILING DATE	SERIAL #	ISSUE DATE	PATENT #	OWNER/DIVISION
System and Method for Automated, Software-Based Session Coordination of Data into a Single Session Context	10/8/2002	10/265,740			Aether Systems, Inc./EMS
Run-Time Engine Implemented on a Computing Device Allowing Synchronization of Records during Application Execution	10/16/2001	09/977,686			Aether Systems, Inc./EMS
System for a Configurable Open Database Connectivity Conduit	11/6/2001	09/985,879			Aether Systems, Inc./EMS
System for an Open-Architecture Development Platform with Centralized Synchronization	11/6/2001	09/985,878			Aether Systems, Inc./EMS
System for a Run-Time Engine Capable for Pager Capable Remote Device	11/6/2001	09/985,880			Aether Systems, Inc./EMS
Routing Protocol Selection for an Ad Hoc Network	12/28/2001	10/028,267			Aether Systems, Inc./EMS
System, Method and Apparatus for Utilizing Transaction Databases in a Client-Server Environment	10/11/2002	10/268,665			Aether Systems, Inc./EMS
Run-time Engine Implemented on a Computing Device Allowing Synchronization of Records during Application Execution	10/16/2001	PCT/US01/3219 3			Aether Systems, Inc./EMS
System for Optimizing the Invocation of Computer-Based Services Deployed in a Distributed Computer Environment	12/27/2002	PCT/US02/4149 2			Aether Systems, Inc./EMS
Routing Protocol Selection for an Ad Hoc Network	12/27/2002	PCT/US02/4149 1			Aether Systems, Inc./EMS
IFX/Data transmission (EP Application; divisional application based on EP 0731964)	12/2/1994			99202686.4	Sila Technology Limited/EMS
Sila (EP Application; EP regional phase of PCT/DK00/00363; 'Method of Transmitting Data Items to a Number of Mobile Stations, a Mobile Station and a Storage Module')	7/4/2000			00941946.6	Sila Technology Limited/EMS
Sila (EP Application; EP regional phase of PCT/DK00/00364; 'Method of Transmitting Data Items to a Number of Mobile Stations, a Mobile Station and a Storage Module')	7/4/2000			00941947.4	Sila Technology Limited/EMS
IFX - Danish Patent Application (divisional application based on Danish Patent No. PR171571)	7/20/1995			PA199500850	Sila Technology Limited/EMS
Sila - Norwegian Patent Application (national phase of PCT/DK00/00363)	7/4/2000			20016416	Sila Technology Limited/EMS
Sila - Norwegian Patent Application (national phase of PCT/DK00/00364)	7/4/2000			20016421	Sila Technology Limited/EMS

2 In December 2003 foreign patent counsel submitted paperwork to the relevant patent registries to record the change in name from Sila Technology Limited to Aether Technology Limited, for those patent applications listed in this section as being owned by Sila Technology Limited.

**ASSIGNMENT OF PATENT APPLICATION**

WHEREAS We, the below named inventor(s), hereinafter referred to as Assignor(s), have made an invention entitled:

**MESSAGING METHOD AND APPARATUS FOR SENDING AND RECEIVING MESSAGES IN A  
CLIENT SERVER ENVIRONMENT OVER MULTIPLE WIRELESS AND WIRELINE NETWORKS**

For which We executed an application for United States Letters Patent concurrently herewith

WHEREAS, **Aether Systems, Inc.**

a corporation of **Delaware**

whose post office address is **11460 Cronridge Drive, Owings Mills, MD 21117**

(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for good and valuable consideration, the receipt of which from assignee is hereby acknowledged, We, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, provisional application Serial No. \_\_\_\_\_ filed \_\_\_\_\_ (if any), and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, WE HEREBY authorize and request the attorneys We have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

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Date 4-4-01

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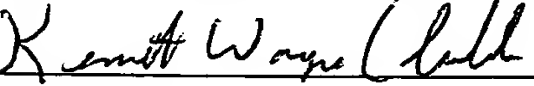
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Name of fourteenth assignor:  
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